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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/832,153

04/10/2001

Chang Po Liu

8500

7590

08/14/2006

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EXAMINER

SHORTLEDGE, THOMAS E

ART UNIT

PAPER NUMBER

2626

DATE MAILED: 08/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/832,153		LIU, CHANG PO	
	<b>Examiner</b>		<b>Art Unit</b>	
	Thomas E. Shortledge		2626	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE \_\_\_\_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 July 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 3 and 4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 3 and 4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 July 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

### **DETAILED ACTION**

1. Claims 3 and 4 are pending. Claims 1-2 have been canceled.

#### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 07/12/2006 has been entered.

#### ***Drawings***

3. The drawings are objected to because Figure 2 lacks element numbers for each specific element with the figure. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be

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removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains; or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 3-4 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The Detailed Description of the Preferred Embodiment merely recites what the input terminal of figure 1 embodies. Moreover, there is no describe relationship between the

elements listed as 1-4 (specification page 3, 4-10) that would enable one skilled in the art at the time of the invention to understand how these four elements function together. Further, the numbers found on page 3, line 11 through page 5, line 2 do not have any described functionality and it is unclear how these characters are to be used. As it appears in the description, they merely list a series of Chinese Characters. The Detailed Description of the Preferred Embodiment does not describe the claims in a way that would allow one of ordinary skill in the art to understand how to use the invention without extensive experimentation.

5. Claim 4 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The steps (b) processing said Chinese-style language character; and (c) outputting compatible display said Chinese-style language words based on said input of said alphabetical letter keys of English Languages, said Numerical Keys from 0 to 9, said miscellaneous symbolic and function keys, and said Chinese character keys, contain new matter. These steps seem to be directed to Figure 1, Data Processor and Output Terminal; however, it is not described in detail anywhere in the specification that the Data Processor processes the Chinese-style Language Character. Figure 1, depicts the input to the Data Processor as being (1) Alphabets of visual or audio characters, (2) Numeral characters from 0 to 9 (3) Chinese

indicative Characters and (4) Miscellaneous Keys for system operation, where the Data Processor would process each of the four inputs in some fashion, not the Chinese-style language character as recited in claim 4. Further, the output terminal of Figure 1 merely is a compatible display. The specification does not state in detail how the display is to be used, and what output is to be displayed. The only mention of the display is found within Figure 1, and is not described anywhere within the specification. By claiming "outputting compatible display said Chinese-style language words based on said input of said alphabetical letter keys of English Languages, said Numerical Keys from 0 to 9, said miscellaneous symbolic and function keys, and said Chinese character keys" new matter has been introduced.

### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 3-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Bernath (5,212,638).

As to claim 3, Bernath teaches:

- (a) inputting alphabetical letter keys of English languages (inputting alphabetical letter keys, Fig. 1a and col. 13, lines 1-12);
- (b) inputting numerical keys from 0 to 9 (Fig. 1a and col. 13, lines 1-12);
- (c) inputting miscellaneous symbolic and functional keys (Fig. 1a "Shift," "Enter," "I," "II," "III," and "IV"); and
- (d) inputting specific Chinese character keys, wherein said Chinese character keys are sued for indicative purpose to differentiate the meaning of Chinese words of similar phonetic values (inputting symbols of the Chinese-Style National Phonetic alphabet, col. 8, lines 1-10 ad Fig. 1a).

Elements 4-01 through 4-33 of claim 3 are directed to nonfunctional descriptive material and have not been given any patentable weight.

As to claim 4, Bernath teaches:

- (a) producing Chinese-style language character by (col. 8., lines 35-40);
  - (a.1) inputting alphabetical letter keys of English languages (inputting alphabetical letter keys, Fig. 1a and col. 13, lines 1-12);
  - (a.2) inputting numerical keys from 0 to 9 (Fig. 1a and col. 13, lines 1-12);
  - (a.3) inputting miscellaneous symbolic and functional keys (Fig. 1a "Shift," "Enter," "I," "II," "III," and "IV"); and
  - (a.4) inputting specific Chinese character keys, wherein said Chinese character keys are sued for indicative purpose to differentiate the meaning of Chinese

words of similar phonetic values (inputting symbols of the Chinese-Style National Phonetic alphabet, col. 8, lines 1-10 ad Fig. 1a).

(b) processing said Chinese-style language character (col. 13, lines 33-36);  
and

(c) outputting compatible display said Chinese-style language words based on said inputs of said alphabetical letter keys of English languages and said numerical keys from 0 to 9, said miscellaneous symbolic and functional keys and said Chinese character keys (Fig. 6A, display is output from processing Character Code).

Elements 4-01 through 4-33 of claim 4 are directed to nonfunctional descriptive material and have not been given any patentable weight.

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas E. Shortledge whose telephone number is (571)272-7612. The examiner can normally be reached on M-F 8:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on (571)272-7602. The fax phone



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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TS  
8/8/06



**RICHEMOND DORVIL**  
**SUPERVISORY PATENT EXAMINER**